FLOOD EVENT OF 9/2/2006 - 9/3/2006

CHEMUNG BASINS

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County
Elmira, NY	12.0	9/3/2006	**12.19**	**missing**	**Minor**	Chemung		Chemung

LOWER MAIN STEM SUSQUEHANNA BASIN

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County
Penns Creek, PA	8.0	9/2/2006	**8.31**	**6,070**	**Minor**	Penns Creek		Union

SOUTHEASTERN PENNSYLVANIA AND DELAWARE STATE BASINS

Site	Flood Stage	Date	Crest	Flow	Category	Basin	Stream	County
Langhorne, PA	9.0	9/2/2006	**10.97**	**9,940**	**Moderate**	Neshaminy Creek		Bucks

Weather Summary

September 2-3, 2006 In the few days prior to the event, a couple systems brought heavy rain to the region with locally high totals in the areas which flooded later in the week. A stationary front which had set up in an east-west fashion across the Mason-Dixon Line contained several weak low pressure centers moving eastward towards Pennsylvania. Between August 25 and 30, two systems traveling along the boundary strengthened upon passing through the Lower Great Lakes states of Illinois, Indiana and Ohio, providing southeastern and south-central Pennsylvania with nearly 4 and over 5 inches of rain respectively. The Chemung basin in New York had already received above average precipitation, but after systems brought an additional 3 inches to the basin, totals for August doubled the monthly average.

Tropical Storm Ernesto, which made its landfall on September 1st just south of Cape Fear, NC, moved northwards across the Chesapeake Bay on the 2nd and further inland toward Lake Ontario on the 3rd. The system brought additional heavy rain to the region, but caused local flooding along the Neshaminy Creek of the Delaware River (southeastern PA), Penn's Creek of the Lower Main Stem Susquehanna (south-central PA) and Chemung (western NY) where, in general, totals remained between 2 and 4 inches.

Crest Statistics/Flood Information

Crest occurred 9/2/2006 - 9/3/2006

First flood of 1 that occurred in September, 2006.

Eighth flood of 12 that occurred in 2006.

Number of Floods at MARFC Forecast Points - **3**

Number of Floods Cresting in **Minor** Range - **2**

Number of Floods Cresting in **Moderate** Range - **1**

Number of Floods Cresting in **Major** Range - 0